**39.How to write scraped data in to CSV file in python?**

**Objective:**

* To write scraped data in to CSV file using python3.

**Process:**

* Scrap data from website using requests and beautifulsoup module.
* Import pandas module.
* Write scraped data in to CSV file using df.to\_csv().

**Input:**

* Website link.

**Output:**

* CSV file.

**Source code:**

#import libraries

import requests

from bs4 import BeautifulSoup

import pandas as pd

#base url which you want to scrap

base\_url = ('https://en.wikipedia.org/wiki/List\_of\_state\_and\_union\_

territory\_capitals\_in\_India')

#Make a get request to server

r = requests.get(base\_url)

#initialize the soup object

soup = BeautifulSoup(r.text, 'html.parser')

#define the HTML table and class

table=soup.find('table', class\_='wikitable sortable plainrowheaders')

#declare empty lists

list1=[]

list2=[]

list3=[]

#make a simple loop

for row in table.findAll("tr"):

table\_data = row.findAll('td')

#to store second column data

table\_head = row.findAll('th')

#only extract table body not heading

if len(table\_data)==6:

list1.append(table\_data[0].find(text=True))

list2.append(table\_head[0].find(text=True))

list3.append(table\_data[1].find(text=True))

print("\n")

df=pd.DataFrame(list1,columns=['Number'])

df['States/UT']=list2

df['Capital']=list3

#copy data frame in to CSV file

#csv file has been created in current working directory

df.to\_csv('India.csv')

#read scraped data from CSV file

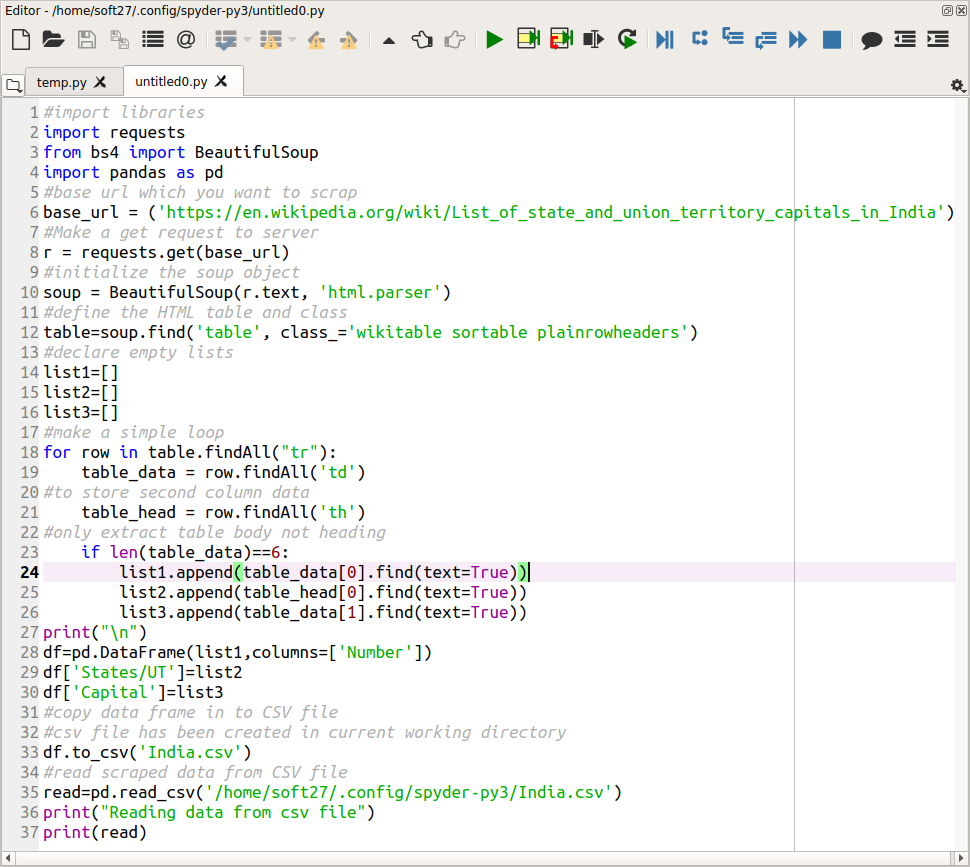
read=pd.read\_csv('/home/soft27/.config/spyder-py3/

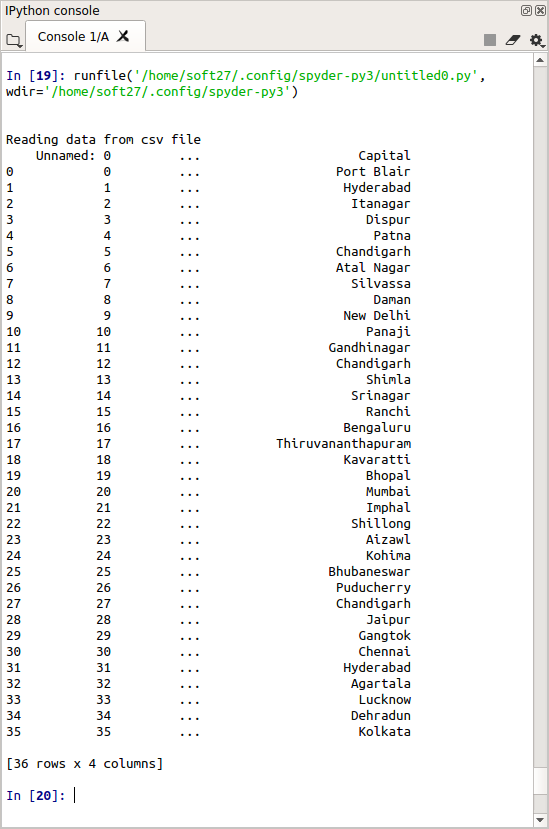
India.csv')

print("Reading data from csv file")

print(read)

**Screen shot:**

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